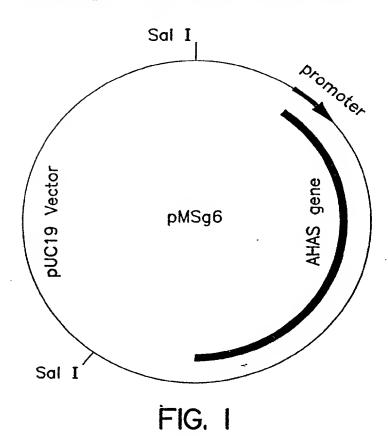
Title: Genes and Vectors for Conferring Herbicide Resistance in Plants Inventor(s): Kakefuda $et\ al.$

Appl. No.: Not yet Assigned

Atty Dkt No.: 043753/241148 (5849-20A)

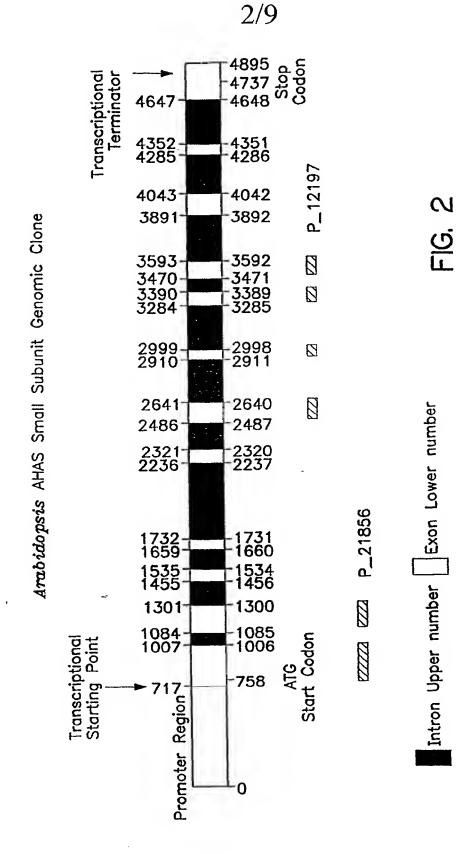
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Arabidopsis AHAS Small Subunit Gene



Inventor(s): Kakefuda et al. Appl. No.: Not yet Assigned

Atty Dkt No.: 043753/241148 (5849-20A)



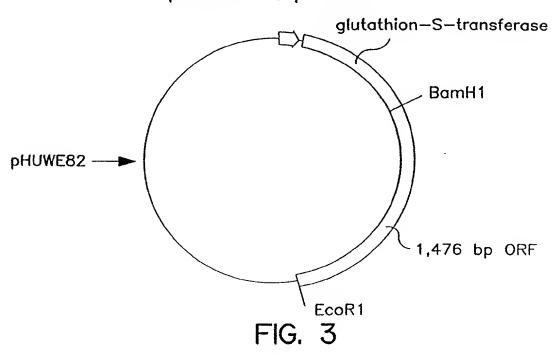
ZZZ EST Sequence

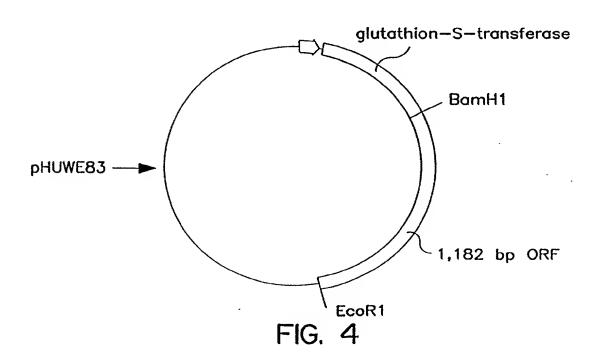
Inventor(s): Kakefuda et al. Appl. No.: Not yet Assigned

Atty Dkt No.: 043753/241148 (5849-20A)

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Arabidopsis AHAS Small Subunit Expression Vectors pHUWE82 and pHUWE83



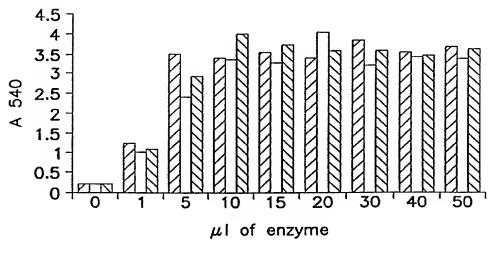


Inventor(s): Kakefuda et al. Appl. No.: Not yet Assigned

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Activity of Ar-AHAS Large Subunit in MTPBS, 3mM DTT over time

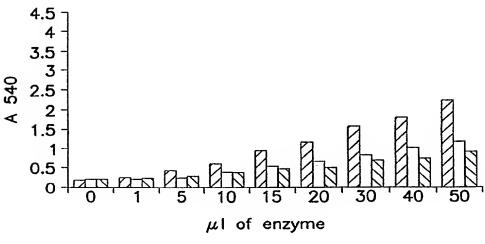


□ 6-Dec/LS 3 mM DTT

□ 9-Dec/LS 3 mM DTT

FIG. 5

Ar-AHAS Large Subunit in MTPBS over time



□ 6-Dec/LS cut

□ 9-Dec/LS cut

FIG. 6

Inventor(s): Kakefuda et al. Appl. No.: Not yet Assigned

Atty Dkt No.: 043753/241148 (5849-20A)

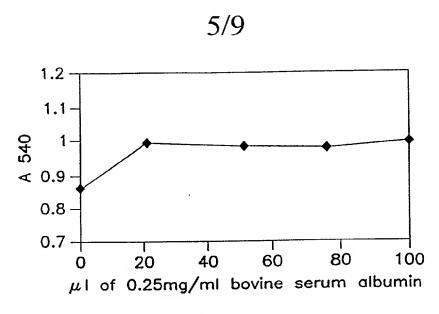


FIG. 7

Activation of the Wild Type Large Subunit of Arabidopsis AHAS by the Arabidopsis AHAS Small Subunit

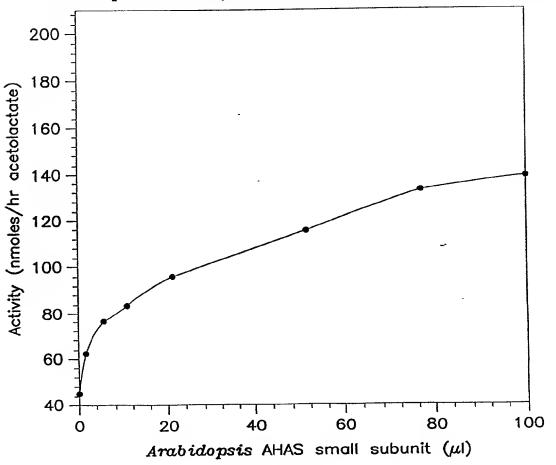


FIG. 8

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Activation of the Herbicide Resistant Mutant (Met124His) Large Subunit of Arabidopsis AHAS by the Arabidopsis AHAS Small Subunit

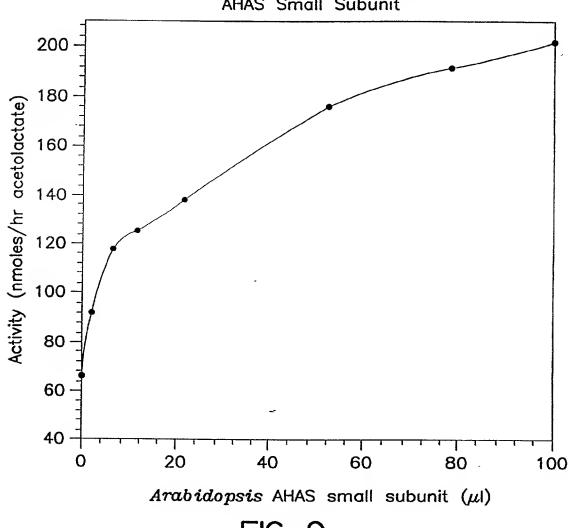
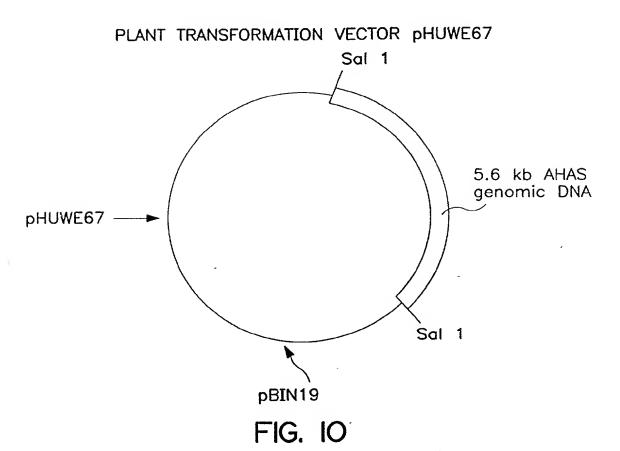


FIG. 9

Title: Genes and Vectors for Conferring Herbicide Resistance in Plants Inventor(s): Kakefuda *et al.*Appl. No.: Not yet Assigned
Atty Dkt No.: 043753/241148 (5849-20A)

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Title: Genes and Vectors for Conferring Herbicide Resistance in Plants Inventor(s): Kakefuda *et al.*Appl. No.: Not yet Assigned
Atty Dkt No.: 043753/241148 (5849-20A)

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Arabidopsis
A AHAS
small subunit
gene AHAS small subunit promoter Terminator FIG. 1 IB PLANT EXPRESSION VECTORS Sall Sall Arabidopsis

AHAS
small subunit gene subunit promoter **AHAS small** -Terminator FIG. I IA Sall Sall pBIN19

Inventor(s): Kakefuda et al.
Appl. No.: Not yet Assigned
Atty Dkt No.: 043753/241148 (5849-20A)

